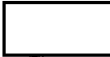


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 0158-65
Copy 9 of 9

NRO REVIEW COMPLETED

24 MAR 1965

MEMORANDUM FOR : Director of Central Intelligence
THROUGH : Deputy Director of Central Intelligence
SUBJECT : A Resume of Requirements and System Capabilities. Search/Surveillance.

1. In preparation for the meetings in Boston on 24 February, we met at your home on Sunday evening, 21 February, to discuss the general status of satellite requirements and capabilities. At that time you indicated that the material presented by  was not of immediate interest to the session before you but that you would like a copy of it for your reference.

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2. Since then, continuing actions by COMOR, the NRO, and ourselves have gradually modified the situation, and we have tried to reflect these changes in the attached summary paper. This resume of requirements and systems capabilities is provided for your information.

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ALBERT D. WHEELON
Deputy Director
for
Science and Technology

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[] -0158-65
Copy 7 of 9

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ATTACHMENT TO

0158-65

A Resume of Requirements and

System Capabilities.

Search/Surveillance

22 March 1965

I. Requirements.

A. General.

In 1960, USIB approved a paper in which Search and Surveillance requirements were specified in terms of area, number of targets, resolution and frequency of coverage. In 1963, COMOR approved a similar paper, forwarded it to USIB, who sent it to [] NRO for comments. This 1963 paper did not receive further USIB action. Currently, a paper of similar content has been approved by COMOR and is scheduled for USIB consideration on 24 March 1965. In 1964, USIB approved and sent to [] NRO a requirement for the development of a system with a swath width like KH-4 [] []

USIB actions on Crisis Management include a requirement to have a KH-4 [] COMOR has furnished a target list to (S) NRO for use [] Implied by this list is the standby task of collecting indications of military activity, generally of a strategic nature, inside the Soviet Union. As yet no official cognisance has been taken of Crisis Management in the sense of intermittently or continuously observing crisis locations by photo satellite.

B. Search.

From 1960 up to 1965, there has been small variation in the Search requirement. In the COMOR-approved 1965 paper, the requirement is for useable, semi-annual coverage of the Sino

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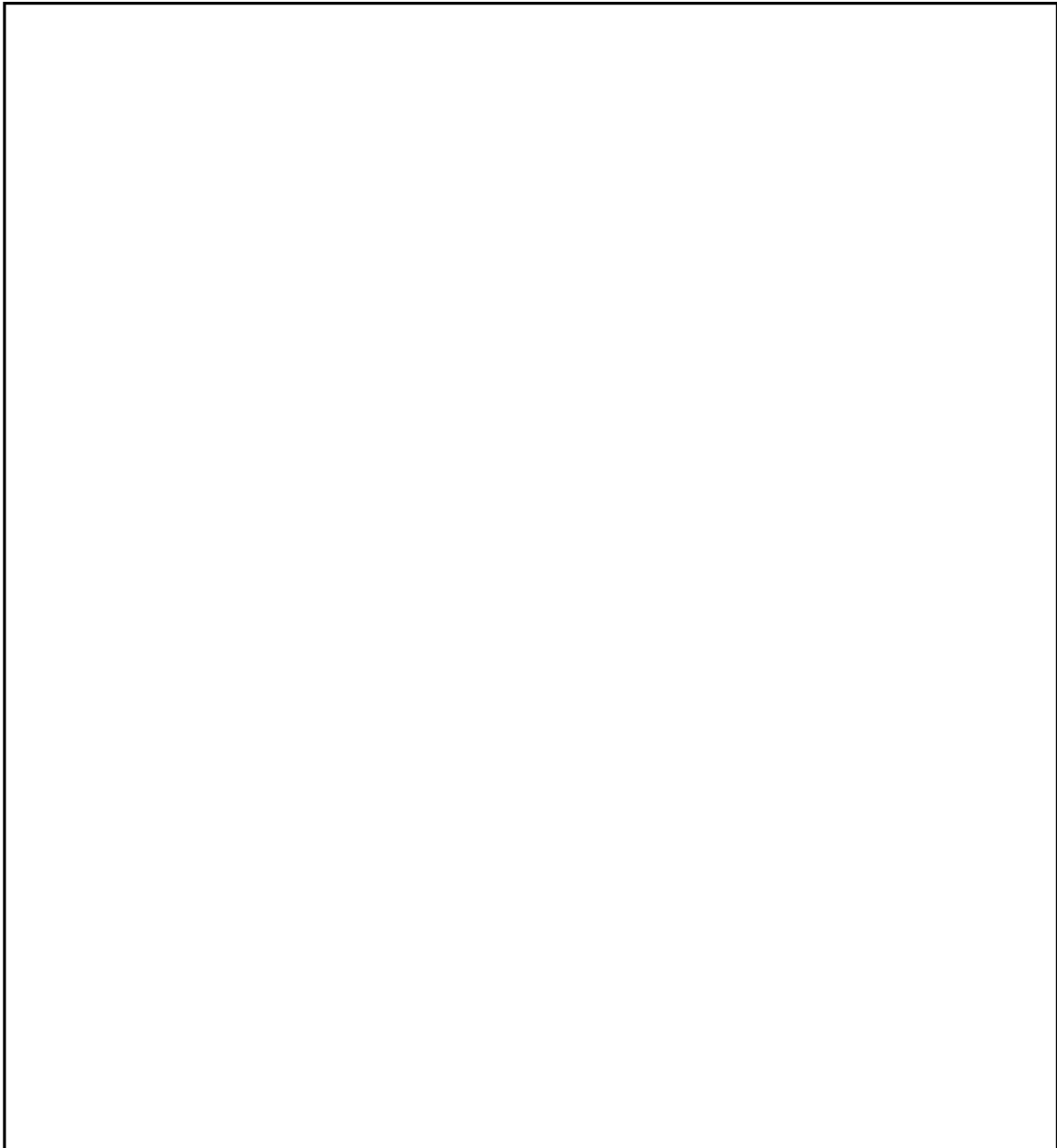
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[REDACTED] -0158-65 - Page 2.

Soviet Bloc plus some additional, unspecified areas. For the
next year or so, this must be accomplished by KH-4 [REDACTED]

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TABLE VIA [REDACTED]

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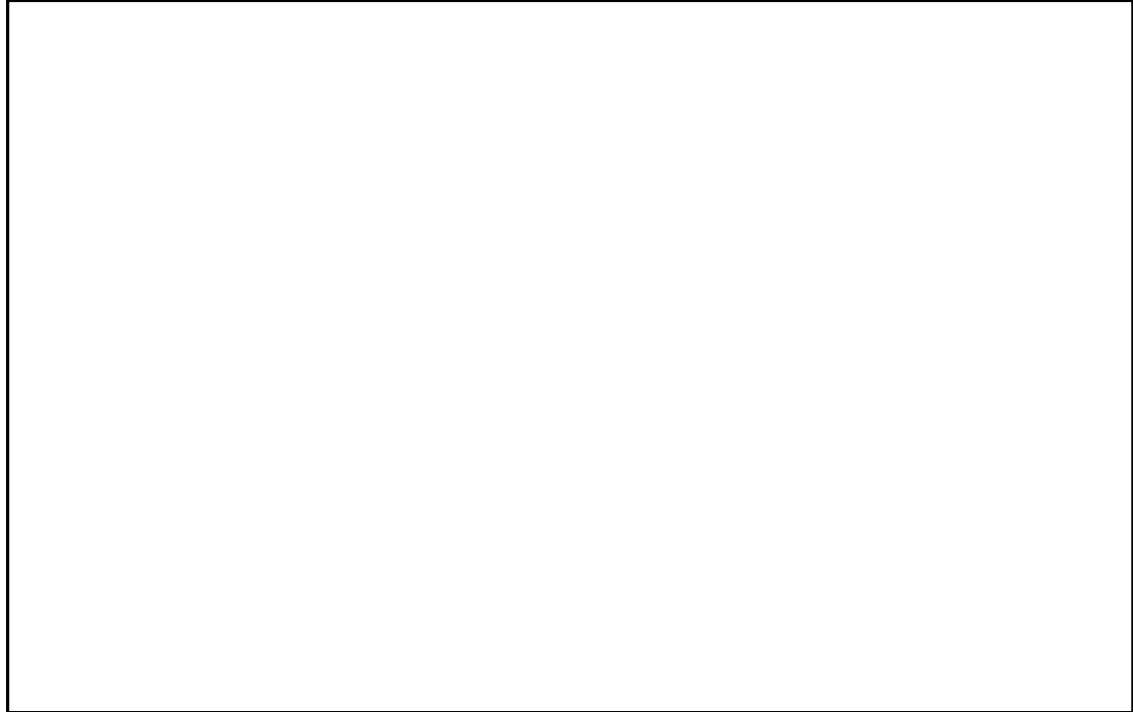
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II. Status of Current Systems.

A. KH-4.

The KH-4 program underwent an appreciable modification in August, 1963, when the first double recovery bucket system was flown. By December, 1964, 15 launches had been attempted. Of the 30 recovery buckets involved, 22 were successfully recovered with useable film. Only 2 out of the last 20 buckets launched were not successful. The estimated average resolution of the nominal 10 ft. nadir resolution KH-4 has been just under 20 feet. From August, 1963, to December, 1964, there has been continued system improvement. Launch reschedules and delays have been reduced, more accurate orbits have been obtained, and some reductions in reaction time have been accomplished.

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